

In the Claims:

Listing of all claims:

1 1. (Currently amended) A welding power source capable
2 of receiving a range of input voltages, comprising:
3 an input rectifier configured to receive an ac input
4 and providing a first dc signal;
5 a ~~dc voltage~~ boost stage configured to receive the
6 first dc signal and providing a boosted second dc signal;
7 an inverter configured to receive the second dc signal
8 and providing a second ac signal and configured to receive
9 at least one control input;
10 an output transformer configured to receive the second
11 ac signal and providing a third ac signal having a current
12 suitable for welding;
13 an output circuit configured to receive the third ac
14 signal and providing a welding signal;
15 a controller configured to provide at least one control
16 signal to the inverter; and
17 an auxiliary power controller configured to receive a
18 range of input voltages and providing a control power signal
 to the controller.

2. - 24 Cancel